IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.(Currently Amended) An apparatus for processing data on a data carrier which rotates about an axis and on which tracks are provided for containing said data, said track spiraling around a center, said apparatus comprising:

an angle measuring device from which said angle information is derived, the angle measuring device ~~being constituted by~~including an eccentricity measurer sensitive to ~~the~~ non-coincidence of said axis and center;

a PID operator for the tracking of a beam on the track, said PID operator comprising an I operator, wherein said eccentricity measurer takes account of the signal at the output of the I operator; and

a peak/bottom detector at the output of the I operator.

Claims 2-3 (Canceled)

4. (Currently Amended) ~~An~~ The apparatus as claimed in ~~claim 2~~ claim 1, further comprising a frequency multiplier for providing pulses, ~~which~~ wherein said frequency multiplier is linked to the output of ~~an~~ the I operator, and ~~from which multiplier~~ wherein angular position information is derived from said frequency multiplier.

5. (Currently Amended) ~~An~~ The apparatus as claimed in claim 1, ~~characterized in that~~ wherein the PID operator acts on a radial tracking signal.

6. (Currently Amended) ~~An~~ The apparatus as claimed in claim 1, ~~characterized in that~~ wherein the PID operator acts on the focusing signal.

7. (Currently Amended) A method of measuring an indication of the angle of a data carrier which rotates about an axis and on which a track is provided for containing said data, said track spiraling around a center, ~~which~~ wherein the method utilizes a

servo mechanism for positioning a beam on the track, the method

comprising the ~~steps~~ acts of:

[[-]] analyzing the error signal of said servomechanism,

[[-]] detecting the eccentricity of the data carrier from this

analysis,

[[-]] deriving angular position information from the

eccentricity defined by the non coincidence between the axis and

the center,

using a filter comprising an I operator,

providing an output signal of said I operator to a peak/bottom

detector, and

processing an output signal of said peak/bottom detector for

providing said indication of the angular position information.

Claim 8 (Canceled)

9. (Currently Amended) A method of measuring an indication of

~~the~~ an angle of a data carrier which rotates about an axis and on

which a track is provided for containing said data, said track

spiraling around a center, ~~which~~ wherein the method utilizes a

servo mechanism for focusing a beam on the track, the method

comprising the ~~steps~~ acts of:

[[-]] analyzing ~~the~~ an error signal of said servomechanism,

[[-]] detecting ~~the~~ repetitive disturbances of ~~the~~ a focus signal,

providing an output signal of an I operator to a peak/bottom detector, and

[[-]] processing an output signal of said peak/bottom detector for deriving angular position information from these disturbances.